

Title (en)

METHOD FOR PRODUCING POLYETHEROLS BY RING-OPENING POLYMERISATION OF ALKYLENE OXIDES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYETHEROLEN DURCH RINGÖFFNENDE POLYMERISATION VON ALKYLENOXIDEN

Title (fr)

PROCEDE DE PRODUCTION DE POLYETHEROLS PAR POLYMERISATION PAR OUVERTURE DE CHAINE D'OXYDES D'ALKYLENE

Publication

EP 1117723 B2 20080430 (DE)

Application

EP 99944507 A 19990825

Priority

- DE 19840585 A 19980905
- EP 9906222 W 19990825

Abstract (en)

[origin: US2003097027A1] A process for preparing polyetherols by ring-opening polymerization of alkylene oxides onto H-functional initiator molecules, which comprises at least one process step a) in which a compound of the formula (I) $M^aM^b(OH)cOd^*Ac^*Lf$ (I), applied to a solid inert support or incorporated in the latter or molded to form a shaped body is used as catalyst, and at least one process step b) in which a multimetal cyanide compound of the formula (II) $M1a[M2(CN)b(A)c]d.fM1gXn.h(H2O).eL$ (II) applied to a solid, inert support or incorporated in the latter or molded to form a shaped body or in powder or paste form is used as catalyst.

IPC 8 full level

C08G 65/10 (2006.01); **B01J 23/00** (2006.01); **B01J 27/232** (2006.01); **B01J 27/236** (2006.01); **B01J 27/26** (2006.01); **C08G 18/48** (2006.01); **C08G 65/26** (2006.01); **C08G 65/28** (2006.01)

CPC (source: EP KR US)

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Citation (opposition)

Opponent :

- US 5648559 A 19970715 - HAGER STANLEY L [US]
- US 5677413 A 19971014 - BARKSBY NIGEL [US], et al
- EP 0755716 A1 19970129 - ARCO CHEM TECH [US]
- US 4962237 A 19901009 - LAYCOCK DAVID E [CA]
- WO 9517248 A1 19950629 - KAO CORP [JP], et al
- EP 0659798 A1 19950628 - ARCO CHEM TECH [US]
- EP 0283148 A2 19880921 - ARCO CHEM CO [US]
- WO 9726080 A1 19970724 - ARCO CHEM TECH [US], et al
- US 5070125 A 19911203 - HEUVELSLAND ALBERT J [NL]
- R. Pearce, W.R. Patterson (Ed.), "Catalysis and Chemical Processes", 1981, p.20 - 25

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2003097027 A1 20030522; AR 023652 A1 20020904; AT E218591 T1 20020615; CN 1131260 C 20031217; CN 1315979 A 20011003; DE 19840585 A1 20000309; DE 59901665 D1 20020711; EP 1117723 A1 20010725; EP 1117723 B1 20020605; EP 1117723 B2 20080430; ES 2178469 T3 20021216; JP 2002524595 A 20020806; KR 20010086362 A 20010910; TW 553978 B 20030921; US 6548714 B1 20030415; WO 0014142 A1 20000316

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US 31754602 A 20021212; AR P990104442 A 19990903; AT 99944507 T 19990825; CN 99810310 A 19990825; DE 19840585 A 19980905; DE 59901665 T 19990825; EP 9906222 W 19990825; EP 99944507 A 19990825; ES 99944507 T 19990825; JP 2000568895 A 19990825; KR 20017002812 A 20010303; TW 88115219 A 19990903; US 74451201 A 20010124